

IN THE SPECIFICATION:

In response to the objections to the specification, please amend the specification as shown below:

Please amend the paragraph beginning at page 11, line 24, and ending at page 12, line 2, as follows:

A'  
When the AP motor 18 rotates in a reverse direction, on the other hand, the above described pendulum planet gear 59 is coupled with a pendulum idle gear 34. This pendulum idle gear 34 is coupled with a main cam 61 through a pendulum reduction gear 35 A35 and a pendulum reduction gear 36 B36.

Please amend the paragraph beginning at page 12, line 18, and ending at page 12, line 26, as follows:

A2  
In this embodiment, a mechanical clutch mechanism is disposed in the vicinity of the head recovering unit 1 as connecting means (a connecting unit) shown in FIG. 3. This mechanical clutch mechanism consists of a pump sun gear 23, a pump planet gear 24 A24, a pump planet gear 25 B25 and a pump planet arm 26 which is a holding member for rotatably supporting these gears and can swing around the pump sun gear 23.

Please amend the paragraph beginning at page 13, line 17, and ending at page 13, line 22, as follows:

A3  
The pump reduction gear 27 is coupled with a pump idler gear 28 and further with a pump gear 31 through a pump bevel gear 29 A29 and a pump bevel gear 30

A3  
Cont.

B30 as shown in FIG. 10. The pump gear 31 can rotate together with a pump operating member 49 in the suction pump (sucking means) 21.

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Please amend the paragraph beginning at page 13, line 23, and ending at page 14, line 20, as follows:

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A4

When the pump planet gear 24 ~~A24~~ is coupled with the pump reduction gear 27, the pump operating member 49 is interlocked with the pump gear 31 as shown in FIG. 12 and rotated in a direction indicated by an arrow B. At this time, pump rollers 51 which are disposed at two locations with a phase difference of 180 degrees are shifted outward a pump radius due to frictional resistance of a suction tube 50, a pump roller shaft portion 52 moves from a shunt slit portion 53 to a roller bearing portion 55 and the pump roller 51 squeezes the suction tube 50 in cooperation with a tube clamp portion 54 of a main body of the head recovering means 1, thereby performing a sucking operation. When the pump operating member 49 is driven to rotate in the normal direction, the suction tube 50 is squeezed by the pump roller 51, whereby a negative pressure is produced in the suction tube 50 and a sucking force is generated by the suction pump 21. Since the suction tube 50 is communicated with the suction cap 22 through a suction tube joint 62 which is formed integrally with the cap base 40, the suction tube 50 sucks the contaminant owing to the negative pressure which is produced in the suction cap 22 when the sucking force is generated.

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Please amend the paragraph beginning at page 14, line 21, and ending at page 15, line 11, as follows:

A5  
When the pump planet gear 25 B25 is coupled with the pump reduction gear 27, in contrast, the pump operating member 49 is interlocked with the pump gear 31 as shown in FIG. 13 and rotated in a direction indicated by an arrow C. Then, the pump roller 51 is shifted inward direction the pump radius due to the frictional resistance of the suction tube 50 and the pump roller shaft portion 52 is located at the shunt slit portion 53, whereby the pump roller 51 does not squeeze the suction pump 50 and does not generated the sucking force for the sucking pump 21. When the pump operating member 49 is rotated reversely in the direction indicated by the arrow C as described above, the pump roller 51 retreats in a direction away from the suction tube 50, thereby releasing the suction tube 50 from a squeezed condition. In other words, an interior of the suction cap is open to atmosphere without the sucking force to be generated.

Please amend the paragraph beginning at page 17, line 1, and ending at page 17, line 17, as follows:

A6  
In a condition where the recording operation can be carried out, the suction cap 22 is lowered as shown in FIG. 6. In this condition, a planet lock cam 45 which is formed integrally with the main cam 61 is engaged with an engaging notch portion 48 of the pump planet arm 26. Therefore, the pump planet arm 26 does not swing even if the pump input gear 19 which is to rotate together with the conveying roller 7 rotates, whereby the pump planet gear 24 A24 and the pump planet gear 25 B25 are not coupled with the pump reduction gear 27. Accordingly, the pump gear 31 and the pump operating member

A6  
Cont  
49 which are coupled with the pump reduction gear 27 as described above do not rotate, whereby the suction pump 21 does not operate. That is, rotations of the conveying roller 7 does not cause the sucking operation during the recording operation.

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Please amend the paragraph beginning at page 18, line 2, and ending at page 18, line 13, as follows:

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A7  
During the capping operation, the AP motor 18 rotates in the reverse direction, thereby rotating the motor pinion 57, the pendulum input gear 58 and the pendulum sun gear 37, and coupling the pendulum planet gear 59 with the pendulum idle gear 34. This pendulum idle gear 34 is coupled with the main cam 61 through the pendulum reduction gear 35 A35 and the pendulum reduction gear 36 B36. Accordingly, the main cam 61 rotates in a direction indicated by an arrow A as shown in FIG. 9 and the planet lock cam 45 comes out of the engaging notch portion 48 of the pump planet arm 26.

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Please amend the paragraph beginning at page 18, line 22, and ending at page 19, line 14, as follows:

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A8  
When the LF motor 14 rotates in the normal direction in this condition, the conveying roller 7 and the pump input gear 19 are rotated in a normal direction indicated by an arrow D through the LF gear train 15 (see FIG. 10). At this time, the main cam 61 rotates as the capping operation proceeds as described above and the planet lock cam 45 has come out of the notch portion 48 of the pump planet arm 26 as shown in FIG. 9, whereby the pump planet gear 24 A24 is coupled with the pump reduction gear 27. The pump gear 31 and the pump operating member 49 rotates in the direction indicated by the

A8  
cont.

arrow B in conjunction with the pump reduction gear 27 rotates (see FIGS. 10 and 12), the suction tube 50 is squeezed by the pump roller 51, the negative pressure is produced in the suction tube 50 and the suction pump 21 generates the sucking force. Accordingly, the ink, bubbles and the like are sucked and exhausted out of the recording head 2 through the cap means 22 in close contact with the nozzle surface as described above.

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Please amend the paragraph beginning at page 19, line 27, and ending at page 20, line 16, as follows:

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A9

When the LF motor 14 rotates in the reverse direction, on the other hand, the conveying roller 7 and the pump input gear 19 are rotated in the reverse direction through the LF gear train 16. Since the planet lock cam 45 has come out of the notch portion 48 of the pump planet arm 26 as the capping operation proceeds, the pump planet gear 25 B25 is coupled with the pump reduction gear 27. As the pump reduction gear 27 rotates, the pump gear 31 and the pump operating member 49 rotate in the direction indicated by the arrow C (see FIGS. 11 and 13). At this time, the suction tube 50 is not squeezed by the pump roller 51, the negative pressure is not produced in the suction tube 50 and the sucking force is not generated by the suction pump 21. That is, the sucking force is not generated and the interior of the suction cap is open to atmosphere.

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